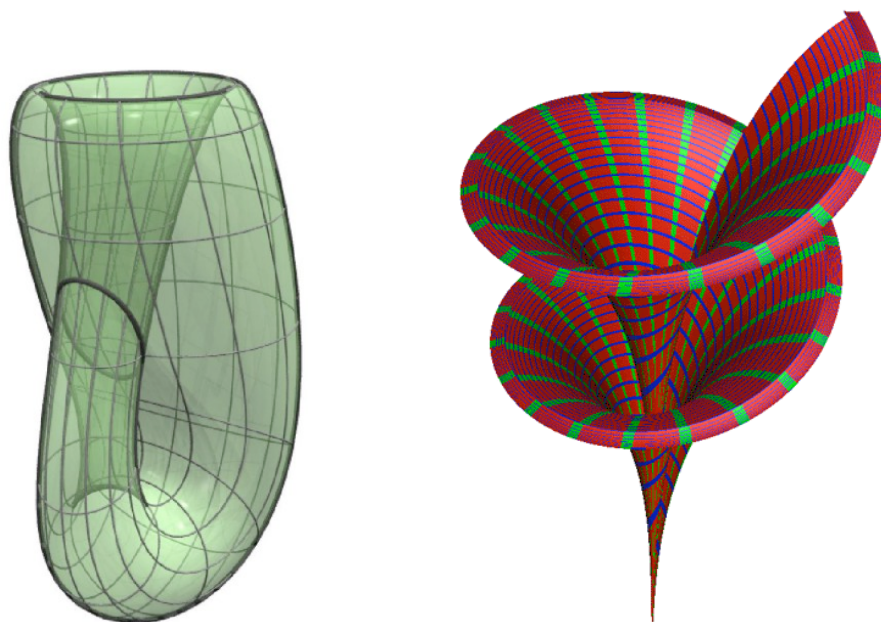


FALL 2006

Math 113: Differential Geometry

Instructor: SLOBODAN SIMIĆ, simic@math.sjsu.edu, (408) 924-7485

Time and place: MWF 1:30-2:45 in MH 234

Prerequisite: MATH 32 and MATH 129A (with a grade of "C-" or better in each) or instructor consent

Textbook: A. Pressley, *Elementary Differential Geometry*, Springer, 2001

What this course is about: Have you ever wondered why it is impossible to cover the surface of the Earth with just one map? Have you ever been intrigued by the mysteries of the Möbius strip or the Klein bottle (see picture above left)? If so, this class is for you!

Differential geometry is the study of geometry using calculus. In this course, we will focus on curves and surfaces in three dimensional space. This topic contains some of the most beautiful theorems of mathematics, yet most of them can be understood without too much background knowledge.

MATH 113 is offered only occasionally, so this is your rare opportunity to learn and enjoy this beautiful subject. Feel free to contact me if you have any questions. And please register as early as possible (before the beginning of August).

Web page: For most up to date information, go to <http://www.math.sjsu.edu/~simic/> and click on Math 113.